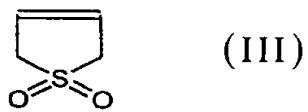
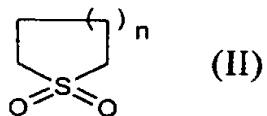
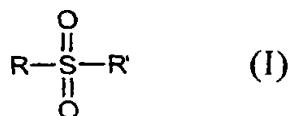


## **ABSTRACT OF THE DISCLOSURE**

Disclosed is an electrolyte for a lithium secondary battery. The electrolyte includes a non-aqueous solvent and a sulfone based organic compound represented as in the following Formulae (I), (II), or (III), or a mixture thereof:



where R and R' are independently selected from the group consisting of a primary, secondary, or tertiary alkyl group, alkenyl group, and aryl group; and a substituted primary, secondary, or tertiary alkyl group, alkenyl group, and aryl group, and n is from 0 to 3.